

1       18.    A method in a disk drive, comprising the steps of:  
2            activating a motor moving a data reading pickup from a first track to a second track for a  
3       period of time;  
4            counting a first number of tracks during moving of said data reading pickup; and  
5            determining a unit track number by dividing said number of tracks by said period of time.

1       19.    The method of claim 18, wherein said unit track number represents a track pitch.

2       20.    The method of claim 18, wherein said unit track number represents an average track  
3       pitch of said tracks.

4       21.    The method of claim 18, further comprising the step of storing said unit track number  
5       in a memory.

1       22.    The method of claim 18, further comprising the steps of:  
2            detecting the number of pulses generated from said motor, the number of pulses representing  
3       said period of time; and  
4            determining said unit track number by dividing said first number of tracks by said number of  
5       pulses.

1        23. The method of claim 22, wherein said unit track number represents an average track  
2 of said tracks.

1        24. The method of claim 22, further comprising the steps of:  
2 rotating a disk while said data reading pickup is moving;  
3 providing said motor moving said data reading pickup in a rate of a predetermined distance  
4 per each rotation of said disk during said period of time; and  
5 generating said number of pulses in response to all of each predetermined distance.

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2        25. The method of claim 22, further comprising the steps of:  
3 rotating a disk while said data reading pickup is moving; and  
4 detecting said number of pulses generated from said motor in response to movement of said  
5 data read pickup, said number of pulses representing the number of rotation of said disk.

1        26. The method of claim 22, further comprising the steps of:  
2 determining a second number of tracks between a current track and a target track;  
3 determining a second number of pulses by dividing said first amount by said unit track  
4 number; and  
5 activating said motor to move said data reading pickup in accordance with said second  
6 number of pulses.

1        27. The method of claim 22, further comprising the steps of:  
2        storing said unit track number in a memory;  
3        determining a second number of tracks between a current track and a target track;  
4        determining a second number of pulses by dividing said first amount by said unit track  
5        number; and  
6        activating said motor to move said data reading pickup in accordance with said second  
7        number of pulses.

1        28. The method of claim 22, further comprising of the steps of:  
2        storing said unit track number in a memory;  
3        determining a second number of tracks between a current track and a target track;  
4        determining a second unit track number in dependence upon said first number of tracks and  
5        said second number of tracks  
6        determining a second number of pulses by dividing said second number of tracks by said  
7        second unit track number; and  
8        activating said motor to move said data reading pickup in accordance with said second  
9        number of pulses.

1        29. The method of claim 22, further comprising of the step of storing said second track  
2        number in said memory.

1        30.    A disk calibration and search method in a disk drive, comprising the steps of:  
2            positioning a data reading pickup across to a first position on a disk;  
3            jumping said pickup in a predetermined direction across tracks on said disk;  
4            counting the number of tracks detected during said jumping step;  
5            calculating a unit track number of the disk per a single movement of a driving means for  
6            jumping the pickup; and  
7            determining a moving amount for controlling the driving means to jump the pickup from a  
8            current position to a target track.

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